

**AGRICULTURAL RESOURCE
MANAGEMENT SURVEY
SOYBEAN
PRODUCTION PRACTICES and
COSTS REPORT
for 2002**

RESPONDENT BOOKLET

SEED VARIETY CODE LIST for SOYBEAN

Section B, item 12

- | | |
|---|---|
| 1 | Genetically-modified herbicide resistant seed variety
(e.g. <i>Roundup Ready</i>) |
| 2 | NON-genetically-modified herbicide resistant seed variety
(e.g. <i>STS-soybeans</i>) |
| 6 | None of the above |

REASONS FOR SEED VARIETY

Section B, item 13

- | | |
|---|---|
| 1 | Increase yields through improved weed control? |
| 2 | Decrease herbicide input costs? |
| 3 | Decrease machinery costs? |
| 4 | Improve ability to use or ease of using reduced tillage or no-till systems? |
| 5 | Improve ability or ease of rotating crops? |
| 6 | Save management time or labor or improve ease of management? |
| 7 | Adopt more environmentally friendly practices? |
| 8 | For some other reason(s)? |

FERTILIZER / PESTICIDE APPLICATION METHODS

Section C, Column 6

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Section D, Column 9

- | | |
|---|---|
| 1 | BROADCAST, GROUND WITHOUT INCORPORATION |
| 2 | BROADCAST, GROUND WITH INCORPORATION |
| 3 | BROADCAST, BY AIR |
| 4 | IN SEED FURROW |
| 5 | IN IRRIGATION WATER |
| 6 | CHISEL/INJECTED OR KNIFED IN |
| 7 | BANDED/SIDEDRESSED IN OR OVER ROW |
| 8 | FOLIAR OR DIRECTED SPRAY |
| 9 | SPOT TREATMENTS (SECTION D ONLY) |

Section C, Item 3

Common Fertilizers and Their Percent Analysis

[Enumerator Note: *If Respondent cannot report the formulation for Section C, item 3, enter the formulations below.*]

Name	FORM	Percent Active Ingredients			RANGE	RANGE
		N	P ₂ O ₅	K ₂ O		
Ammonium metaphosphate	D	12	51	–		
Ammonium nitrate	D	33	–	–	33-34%N	
Ammonium phosphate	D	11	48	--		
Ammonium phosphate nitrate	D	27	14	–	14-15%P	
Ammonium phosphate sulfate	D	16	20	–	13-16%N	20-39%P
Ammonium polyphosphate (APP)	L	10	34	–	10-11%N	34-37%P
Ammonium polysulfide	L	20	–	--		
Ammonium sulfate nitrate	D	21	–	–	20-26%N	
Ammonium thiosulfate solution	L	12	–	--		
Anhydrous ammonia	G	82	–	--		
Aqua ammonia	L	20	–	–	16-30%N	
Calcium ammonium nitrate	D	15	–	–	15-16%N	
Diammonium phosphate sulfur	D	16	40	–	15-16%N	39-41%P
Diammonium phosphate (DAP)	D	18	46	–	16-21%N	46-53%P
Mixed fertilizer	D					
		2	6	12		
		3	9	18		
		3	10	30		
		5	10	15		
		5	10	30		
		5	15	30		
		6	24	24		
		8	24	24		
		9	18	9		
		10	34	--		
		11	37	--		
Monoammonium phosphate (MAP)	D	11	52	–	11-13%N	48-62%P
Nitrogen solutions	L	28	–	–	7-58%N	
Phosphoric acid	L	–	54	–	2-75%P	
Potassium chloride (Muriate of potash) ..	D	–	–	60	60-62%K	
Potassium magnesium sulfate	D	–	–	22		
Potassium metaphosphate	D	–	55	37	55-57%P	37-38%K
Potassium nitrate	D	13	–	44		
Potassium orthophosphate	D	–	45	40	30-60%P	30-50%K
Potassium polyphosphate	L	–	50	35	40-60%P	22-48%K
Potassium sodium nitrate	D	15	–	14	14-15%K	
Potassium solutions	L	–	–	14	13-15%K	
Potassium sulfate	D	–	–	50	50-53%K	
Sodium nitrate	D	16	–	--		
Super phosphate (22 % & under)	D	–	19	–	16-22%P	
Super phosphate (over 22 %)	D	–	30	–	23-39%P	
Triple super phosphate	D	–	46	–	40-54%P	
Urea	D	46	–	–	45-46%N	
Urea ammonium nitrate	L	32	–	–	28-32%N	

CHEMICALS and PESTICIDES for SOYBEAN, All

F = Fungicide; H = Herbicide; I = Insecticide; M = Misc. Other; MD = Defoliant/Dessicant; MG = Growth Regulator
 AS; Aqueous Suspension, D; Dust, DF; Dry flowable, DG; Water-Dispersible Granules, E or EC; Emulsifiable Concentrate, ES; Emulsifiable
 solution, F or L; Flowable, G or GR; Granular, L; Liquid, LV; Low volatility, M or ME; Microencapsalted, P; Pellets, S; Solution, SL; Slurry, SP;
 Soluble powder, W or WP; Wettable powder, WDG or WG; Water-Dispersible Granules, WSP; Water-soluble packet

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
			2,4,D				
L	H	4351	2,4-D/Agasco 400 EC	D	H	4603	Authority Broadleaf
L	H	4377	2,4-D/Amine 4	D	H	4681	Authority DG
L	H	4531	2,4-D/Barrage	L	H	4135	Avenge 2 L
L	H	4444	2,4-D/Class 40 A	D	H	4651	Axiom DF
L	H	4443	2,4-D/Class LV 4	D	I	1468	Aztec 2.1 Granular
L	H	4001	2,4-D/Dacamine 4 D				
				L	H	4786	Backdraft
D	H	4184	2,4-D/Defy	L	H	4136	Banvel 4 L
L	H	4361	2,4-D/Envy	L	H	4019	Basagran 5 L
L	H	4204	2,4-D/Esteron 99 Concentrate	D	H	4611	Basis Gold WDG
L	H	4291	2,4-D/Formula 40	L	I	1246	Baythroid 2 EC
L	H	4221	2,4-D/Hi-Dep	D	H	4140	Beacon 75 DF
L	H	4826	2,4-D LV 400 Weed Killer				
							Benlate
L	H	4562	2,4-D/Riverside LV 4	D	F	7004	Benlate 50 DF
L	H	4265	2,4-D/Salvo	D	F	7003	Benlate 50 WP
D	H	4391	2,4-D/Savage	D	F	7212	Benlate SP
L	H	4488	2,4-D/Weed Pro 6lb.				
L	H	4307	2,4-D/Weed Rhap A 4 D	L	H	4386	Betamix EC
L	H	4306	2,4-D/Weed Rhap LV 4 D				
							Bicep
L	H	4296	2,4-D/Weedone 638	L	H	4021	Bicep 6 L
L	H	4299	2,4-D/Weedone LV 6	L	H	4470	Bicep II
L	H	4298	2,4/D/Weedone LV 4	L	H	4637	Bicep II Magnum
L	H	4006	AAtrex 4 L	L	I	1213	Bidrin 8
D	I	1672	Able	L	H	4146	Blazer 2 L
L	F	7291	Abound (aka Quadris)	L	I	1139	Bolstar 6 EC
D	H	4339	Accent 75 WDG	L	H	4795	Boundary
L	H	4461	Accord				
D	H	4657	Achieve 40 DG				Bravo
				D	F	7009	Bravo 90 DG
D	H	4683	AIM	L	F	7007	Bravo 500 4.17 EC
L	H	4009	Alanap L	D	F	7241	Bravo Ultrex 82.5 WDG
D	I	1001	Ambush 25 W	L	F	7008	Bravo Weather Stik 6 EC
L	I	1002	Ambush Insecticide				
			Amiben				
D	H	4012	Amiben DS	D	H	4596	Broadstrike WDG
D	H	4013	Amiben 10 G	L	H	4489	Broadstrike + Dual
L	H	4011	Amiben 2 S	L	H	4493	Broadstrike + Treflan
				L	H	4154	Bronco 4 EC
L	H	4128	Arena 4 EC	D	I	1007	Broot 15 GX (Granular)
L	H	4495	Arena ME 4 EC	L	H	4024	Buctril 2 EC
L	H	4131	Arrow 4 EC	L	H	4380	Bugle EC
				L	H	4027	Bullet 4 EC
L	I	1004	Asana XL .66 EC	L	MG	9032	Burst Yield Booster
L	I	1003	Asana 1.9 EC				
							Butoxone
L	H	4134	Assure	L	H	4311	Butoxone 1.75 EC
L	H	4371	Assure II	L	H	4158	Butoxone 200 2 EC
				D	H	4696	Butoxone 7500
L	H	4041	Atrazine 4 L				
D	H	4044	Atrazine 90 DF	L	H	4159	Butyrac 175 1.75 EC
				L	H	4160	Butyrac 200 2 EC

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D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	H	4029	Cannon 3 EC	D	H	4035	Dacthal 75 W
D	H	4161	Canopy 75 DG	D	H	4183	Dalapon 85 WP
D	H	4610	Canopy XL (DG)	L	I	1323	De-Fend E-267
D	H	4593	Caparol Accu-Pak	D	M	9154	Deadline Bullets
			Carbaryl	L	I	1557	Declare Insecticide
L	I	1011	Carbaryl 4 L				Defol
D	I	1012	Carbaryl 50 W	L	MD	9291	Defol 5
D	I	1014	Carbaryl 80S WP	L	MD	9014	Defol 6
D	I	1302	Carbaryl 90 DF	L	MD	9285	Defol 750
L	H	4163	Carbyne 2 EC	L	I	1533	Demand CS
L	I	1482	Chlorpyrifos 4 E AG	L	H	4535	Detail EC
L	H	4469	Clarity 4 L	D	H	4588	Devrinol 5 G
L	H	4513	Class MCPA	D	I	1033	Di-Syston 15 G
D	H	4167	Classic 25 DG				Diazinon
L	H	4169	Cobra 2 E	L	I	1041	Diazinon 4 E
			Command	D	I	1361	Diazinon 5 G
L	H	4578	Command 3 ME	D	I	1047	Diazinon 14 G
L	H	4171	Command 4 EC	D	I	1050	Diazinon 50 W
L	H	4841	Command Xtra	L	I	1046	Diazinon AG500 4 E
L	H	4172	Commence EC	L	I	1022	Dibrom 8 Emulsive
D	H	4467	Concert 25 DF	L	I	1251	Dibrom 8 Miscible
			Conclude	L	I	1718	Digon 400
L	H	4565	Conclude B&G				Dimethoate
L	H	4698	Conclude Ultra B&G	L	I	1028	Dimethoate 2.67 EC
L	H	4697	Conclude Xtra B&G	L	I	1029	Dimethoate 4 EC
L	I	1282	Condor	L	I	1403	Dimethoate 5 lb.
D	I	1670	Condor WP	L	I	1267	Dimethoate 400
L	H	4173	Confidence 4 EC				Dimilin
D	I	1528	Costar Biological Insecticide	L	I	1715	Dimilin 2 L
L	H	4176	Cotoran 4 L	L	I	1352	Dimilin 4 L
D	H	4350	Cropstar GB	D	I	1145	Dimilin 25 W
L	I	1027	Cygon 400 4 EC				Dipel
L	I	1433	Cymate 267	D	I	1023	Dipel 2X WP
L	I	1360	Cythion 8 Aquamul	L	I	1024	Dipel 4 L
L	I	1141	Cythion 57 EC	D	I	1516	Dipel DF
L	MG	9081	Cytokin Bioregulator Concentrate	L	I	1025	Dipel ES
L	M	9269	Cytoplex HMS	D	I	1026	Dipel WP
D	I	1042	D-264 14 G	L	H	4313	Diquat
			Diazinon	L	H	4039	Direx 4 L
D	I	1043	D-z-n Diazinon 14 G	D	H	4046	Diuron 80 W
D	I	1044	D-z-n Diazinon 50 W	D	H	4807	Domain
L	I	1045	D-z-n Diazinon AG500 4 E	D	H	4188	Dowpon M 85 WP
				D	H	4225	DSMA 81 P

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D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
			Dual				
L	H	4511	Dual 4 E	L	H	4217	Galaxy
L	H	4051	Dual 8 E	D	H	4839	Gauntlet
D	H	4050	Dual 25 G	D	H	4218	Gemini 60 DG
L	H	4466	Dual II	L	I	1555	Gemstar LC
L	H	4659	Dual Magnum	L	H	4580	Glyfos
L	H	4660	Dual II Magnum	L	H	4840	Glyphomax
L	H	4661	Dual II Magnum SI	L	H	4838	Glyphosate Original
D	H	4753	Dual IIG Magnum	L	H	4063	Goal 1.6 E
D	I	1040	Dylox 80 SP	D	F	7333	Golden-Dew
L	MG	9277	Early Harvest	D	I	1682	Golden-Dew
			Echo				Gramoxone
D	F	7331	Echo 75 WDG	L	MD	9037	Gramoxone Extra 2.5 L
D	F	7332	Echo 90 DF	L	H	4314	Gramoxone Extra 2.5 L
L	F	7226	Echo 720	L	H	4654	Gramoxone Max/Cyclone Concent
L	F	7329	Echo Zn	L	H	4064	Gramoxone Super 1.5 L
L	I	1719	Ecozin 3 EC				Guthion
L	I	1720	Empower	L	I	1152	Guthion 2 L
D	H	4497	Enide 50W	L	I	1055	Guthion 2 S
D	H	4052	Enide 90W	D	I	1056	Guthion 35 WP
L	F	7248	Ensign 500	D	H	4139	Harmony Extra DF
L	M	9239	Envirepel	D	H	4137	Harmony GT (DF)
L	I	1148	Ethyl Parathion 8 E	L	H	4065	Hoelon 3 EC
D	H	4056	Evital 5 G	L	H	4222	Honcho
D	H	4523	Exceed 64.6 DF	D	H	4517	Hornet
D	H	4205	Express	L	H	4333	Ignite 1 SC
L	H	4756	Extreme	L	H	4373	Judge
D	H	4209	Extrazine II DF	L	H	4372	Jury
L	H	4210	Fallow Master				
L	H	4057	Far-Go 4 EC	L	I	1252	Karate 1 EC
L	H	4615	Finale	L	I	1707	Karate Z
D	H	4643	FirstRate				
L	H	4532	Flexstar	D	H	4066	Karmex DF
D	I	1149	Force 1.5 G	D	I	1721	Ketch DF
L	H	4215	Freedom	L	H	4068	Laddok
L	H	4448	Frontier 6.0	L	H	4229	Landmaster BW
D	H	4644	Frontrow	L	H	4326	Landmaster II
L	I	1054	Furadan 4 F				Lannate
D	I	1053	Furadan 15 G	L	I	1063	Lannate L (1.8 lbs.)
L	H	4060	Fusilade 2000 1 EC	L	I	1064	Lannate LV (2.4 lbs.)
L	H	4492	Fusilade DX	D	I	1065	Lannate 90 WSP
L	H	4442	Fusion	L	I	1066	Larvin 3.2

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D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	H	4069	Lasso 4 EC	L	H	4491	Mirage 4 EC
D	H	4070	Lasso II 15 G				
							Mocap
L	MD	9230	Leafex 3	D	I	1080	Mocap 10 G
D	I	1671	Lepinox WDG	D	I	1081	Mocap 15 G
				L	I	1082	Mocap EC
L	H	4072	Lexone 4 L	L	H	4238	Modown 4 F
D	H	4073	Lexone DF	L	H	4193	Molinate 8 E
L	H	4640	Liberty	L	H	4636	Moxy + Atrazine
L	H	4074	Linex 4 L	L	I	1507	MVP Bioinsecticide
D	H	4075	Linex 50 DF	L	I	1232	MVP II Bioinsecticide
L	H	4047	Linuron 4 L	L	I	1550	Neemix
				D	H	4080	Norosac 4 G
			Lorox	L	I	1098	Nudrin 1.8
D	H	4077	Lorox 50 DF	D	I	1099	Nudrin 90 WSP
L	H	4076	Lorox L				
D	H	4234	Lorox Plus 60 DG	L	I	1547	Nufos 4 E
				D	I	1546	Nufos 15 G
			Lorsban	L	H	4240	Option II EC
L	I	1069	Lorsban 4 E	D	I	1102	Orthene 75 S
L	I	1434	Lorsban 4 E-HF	D	I	1258	Orthene 90 S
D	I	1068	Lorsban 15 G	L	H	4822	Outlook 6 L
L	H	4826	LV 400 2,4-D Weed Killer	L	I	1153	Parathion-Methyl Parathion 6
D	I	1443	M-Peril	D	H	4352	Partner WDG
				L	H	4244	Passport
			Malathion	L	H	4813	Pendimax 3.3
L	I	1236	Malathion 5 57 EC	L	I	1164	Penncap M
L	I	1094	Malathion 95% Spray	D	H	4525	Permit 75 DF
L	I	1157	Malathion ULV 9.33 Lb (95%)	L	MG	9137	PGR-IV
L	H	4579	Manifest B&G	D	MG	9301	PGR-IV Granule
L	H	4612	Matador	D	H	4245	Pinnacle 25 DF
D	H	4566	Matrix (aka Shadeout)	L	H	4329	Pledge 4 SL
L	I	1472	Mattch Bioinsecticide				Poast
L	H	4292	MCP Amine 4	L	H	4703	Poast HC 3.5 EC
D	M	9348	Messenger	L	H	4334	Poast Plus 1 EC
				L	H	4081	Poast 1.5 EC
			Methoxychlor	L	MG	9231	Poly-Foliant 5
L	I	1074	Methoxychlor 2 EC	L	I	1107	Pounce 3.2 EC
L	I	1075	Methoxychlor 4 L	D	I	1106	Pounce 25 WP
D	I	1076	Methoxychlor 50 WP	L	H	4082	Prefar 4 E
				L	H	4246	Prelude E W EC
			Methyl Parathion	L	H	4570	Prestige 1 EC
L	I	1158	Methyl Parathion 4 EC	D	H	4248	Preview
L	I	1086	Methyl Parathion 6 EC				
L	I	1088	Methyl Parathion 7.5 EC				
L	H	4231	Micro-Tech				
D	F	7403	Microperse Wettable Sulfur				
D	I	1393	Microthiol Special				

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D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	H	4084	Princep 4 L				Roundup
D	H	4249	Princep Caliber 90	L	H	4700	Roundup Custom
L	H	4573	Prism	L	H	4376	Roundup D-Pak
L	MD	9279	Protocol	L	H	4564	Roundup Export
			Prowl	D	H	4702	Roundup EZ Dry
D	H	4504	Prowl DG	L	MD	9172	Roundup Original
L	H	4360	Prowl 3.3 EC	L	H	4093	Roundup Original
L	H	4086	Prowl 4 EC	L	H	4315	Roundup Original RT
			Pursuit	L	H	4561	Roundup Ultra
D	I	1113	Proxol 80 SP	D	H	4762	Roundup Ultra Dry
D	H	4253	Prozine 70 DF	L	H	4763	Roundup Ultra Max
			Pursuit	L	H	4675	Saber Herbicide
D	H	4505	Pursuit DG	L	H	4263	Saddle 4 EC
L	H	4255	Pursuit Plus EC	L	H	4264	Salute 4 EC
L	H	4254	Pursuit /Pursuit W	L	I	1016	Savit 4 F
			Scepter				
L	I	1114	Pydrin 2.4 EC	L	H	4266	Scepter 1.5 L
D	H	4646	Python WDG	D	H	4318	Scepter 70 DG
			Ramrod	L	H	4267	Scepter OT 2.5 L
L	F	7291	Quadris (aka Abound)	L	I	1169	Scout 0.3 EC
			Ramrod	L	I	1170	Scout X-TRA
D	H	4088	Ramrod 20 G	L	H	4447	Select 2 EC
D	H	4090	Ramrod 65 WP	D	I	1479	Semaspore Bait
L	H	4089	Ramrod Flowable 4 L				
			Ranger 2 EC	L	H	4095	Sencor 4
L	H	4604	Raptor	D	H	4096	Sencor 75 DF
D	H	4699	Raptor DG				Sevin
			Rattler	L	I	1132	Sevin 4 F
L	H	4328	Rattler	D	I	1172	Sevin 50 W
L	H	4256	Reflex 2 LC	D	I	1018	Sevin 80 S
D	I	1532	Regent 80 WG	D	I	1496	Sevin 80 WSP
D	H	4563	Reliance STS SP	D	I	1015	Sevin Bait (5%)
L	H	4568	Remedy	L	I	1019	Sevin SL
L	H	4259	Rescue				
			Resource	D	H	4566	Shadeout (aka Matrix)
L	H	4527	Resource	D	H	4342	Simazine 90 DF
L	H	4260	Reward 6 EC	D	H	4671	Skirmish
L	H	4500	Rezult	L	I	1370	Sniper 2 E
L	H	4261	Rhomene 4 L				Sodium Chlorate
			Ridomil	L	MD	9079	Sodium Chlorate 2 lb.
L	F	7027	Ridomil 2 E	L	MD	9040	Sodium Chlorate 3 lb.
D	F	7071	Ridomil 5 G	L	MD	9018	Sodium Chlorate 6 lb.
L	F	7286	Ridomil Gold EC				Sonalan
D	F	7342	Ridomil Gold PC	L	H	4100	Sonalan 3 EC
D	F	7341	Ridomil Gold PC GR	D	H	4474	Sonalan 10 G
				L	H	4507	Sonalan HFP
				L	H	4269	Squadron EC

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	H	4473	Stall 4 E	L	H	4332	Tough 3.75 EC
D	H	4560	Staple	L	H	4460	Tough / Lentagran EC
L	MD	9080	Starfire 1.5 L	L	I	1526	Tracer
L	H	4598	Status				Treflan
L	H	4582	Steel	L	H	4108	Treflan EC
L	H	4571	Stellar	L	H	4109	Treflan 5 EC
L	MG	9273	Stimulate Yield Enhancer	L	H	4629	Treflan HFP
L	H	4320	Stinger 3 EC	L	H	4110	Treflan M.T.F. 4 EC
L	H	4272	Storm	D	H	4111	Treflan TR-10
L	F	7264	Sul-Preme 52+18-6G	L	H	4286	Tri-4 EC
D	I	1284	Sulfur 90 W	L	H	4287	Tri-Scept EC
D	I	1388	Sulfur Dusting (90%)	D	H	4335	Trific 60 DF
L	I	1387	Super Six				Trifluralin
L	H	4273	Surefire Herbicide 3 EC	L	H	4450	Trifluralin 4 EC
			Surflan	L	H	4451	Trifluralin 5 EC
L	H	4102	Surflan AS	D	H	4452	Trifluralin 10 G
D	H	4275	Surflan 75 WP				Trilin
D	H	4274	Surflan 85 DF	L	H	4112	Trilin 4 EC
L	H	4515	Surpass EC	L	H	4368	Trilin 5
L	MG	9182	Symspray	D	H	4285	Trilin 10 G
D	H	4501	Synchrony STS	L	H	4113	Trilin AT 4 EC
D	F	7481	T-22 Planter Box Bio. Fungicide	D	H	4369	Trilin GRP (80%)
L	H	4278	Tackle 2 L	L	H	4815	Trust 4 EC
D	I	1124	Temik 15 G	L	H	4288	Turbo 8 EC
D	F	7313	Terraclor Super X 18.8 G	L	H	4533	Typhoon
D	F	7205	Terranil 90 DF	L	H	4843	Ultra Blazer
D	I	1256	Thimet 15 G	L	H	4290	Vernam 7 E
D	I	1127	Thimet 20 G	D	H	4289	Vernam 10 G
D	F	7038	Thiolux 80 DF	L	H	4317	Velpar L 2 EC-E
L	H	4107	Tillam 6 E	L	I	1435	Warrior 1 EC
L	F	7316	Top Crop Flowable	L	I	1553	Warrior T
			Topsin	L	H	4003	Weedar 64
L	F	7039	Topsin M 4.5 F	L	H	4079	Weedar Sodium MCPA 2 EC
D	F	7040	Topsin M 70 W	L	H	4364	Weedone 170
D	F	7151	Topsin M 85 WDG	L	H	4309	Whip 1 EC
L	H	4282	Tornado EC	L	H	4379	Whip 360 EC
L	H	4601	Torpedo	D	I	1685	Xentari Biological Insecticide
			Touchdown	L	H	4673	Zorial Flowable
L	H	4848	Touchdown	D	H	4310	Zorial Rapid 80 DF
L	H	4662	Touchdown 5				
L	H	4362	Touchdown 6				

Conversion Codes for Liquid & Dry Products
 Liquid Products
 1 Gallon = 4 Quarts
 1 Quart = 2 Pints
 1 Pint = 16 Fluid Ounces
 2 Cups = 1 Pint

Dry Products
 1 Pound = 16 Dry Ounces
 1 Ounce = 28.3 Grams
 1 Pound = 453 Grams

PEST MANAGEMENT INFORMATION SOURCES

Section E, item 33

- | | |
|---|--|
| 1 | Extension Advisor, Publications or Demonstrations
(County, Cooperative or University) |
| 2 | Farm Supply or Chemical Dealer |
| 3 | Commercial Scouting Service |
| 4 | Independent Crop Consultant or Pest Control Advisor |
| 5 | Other Growers or Producers |
| 6 | Producer Associations, Newsletters or Trade Magazines |
| 7 | Electronic Information Services (<i>DTN, Internet, World Wide Web, etc.</i>) |
| 8 | Other - (Specify _____) |
| 9 | None - Operator used no outside information source |

Section F, item 2

MACHINERY and IMPLEMENT CODES

PLOWS and DISKS	
01	Chisel Plow (Big Ox)
02	Coulter Plow (Coulter Chisel, Soil Saver, Soil Conservor)
03	Deep Ripper (Knife, Bed Knife, Slide)
04	Disk Plow
	Moldboard
05	-Regular
06	-Two-way
07	Stubble-mulch (Noble, Sweeps, Hoeme Plow, Muckeroy Plow)
08	Subsoiler (Chisel, Ripper, V-ripper)
09	Disk-chisel (Mulch Tiller)
	Offset Disk
10	-Heavy Disk
11	-Light Disk
12	One-way Disk (Disk Tiller)
13	Single Disk
	Tandem Disk
14	-Plowing
15	-Regular
16	Paraplow

PACKERS	
51	Culti-packer (Pulverizer, Crow-foot, Serrated, Ring, Spiral)
	Roller-packer
52	-Attachment
53	-Smooth & Flat

CULTIVATORS	
21	Field Cultivator (Regular Digger, Triple K, Danish Tined, Swedish Tined, Incorporated, S-tine, Cultivator, Vibra-shank Harrow, Lilliston Tiller)
22	Furrow-out
23	Rotary Hoe (Crust Buster)
	Row
24	-Disk Sweep, Shovel
25	-Rolling, Rotary
	Field Cultivator
26	-Heavy Duty (Duckfoot Cultivator)
27	Marker
28	Fallow Master

BEDDERS-SHAPERS	
41	Bedder (Shaper) Bedshaper, Crowder)
42	Bed Shaper
	Disk
43	-Hipper
44	-Row
45	Float
46	Lister (Middle-buster)
47	Rotovator-bedder
48	Seedbed Roller (Flat Roller)
49	Sub-soil Bedder (Ripper-hipper)
50	Discovator

HARROWS (DRAGS)	
30	Heavy Harrow
31	Field Conditioner (Scratcher, Seed Bed Conditioner, Soil Conditioner, Ground Hog)
32	Finishing (Harrogator, Spiral, Roller, Knives, Shanks, Pegs, Smoother)
33	Flex-tine Tooth (Coil Tine)
34	Multi-weeder (Cultivator & Harrow)
35	Rail, Pipe, Log, Plank
36	Rod Weeder
37	Roller (Culti-mulcher, Pulvi-mulcher, Crumbler, Packer-mulcher, Packer & Shanks)
38	Spike Tooth
39	Spring Tooth
40	Powered Spike Tooth Harrow

PLANTERS	
111	Bedder-shaper Planter
112	Lister-bedder
113	No-till, Minimum Till, (Ripper Planter)
114	Conventional, Regular (Tye, Flex)
115	Air Delivery/vacuum
116	Ridge till

Section F, item 2

MACHINERY and IMPLEMENT CODES**MISCELLANEOUS TILLAGE**

- 61 Land-all, Do-all Mix-n-till, Till-all
(Disk, Shovels, Reel & Spikes)
- 62 Mulch Treader, Picker,
Treader, Skew
- 63 Roto-tiller
- 64 Roterra (Roto-spike, Lely)
- 65 Sand-fighter
- 66 Soil Finisher
(Finishing Tool, Mulch Finisher
Tri-tiller, Task Master)
- 67 Root Crown Puller

DRILLS and SEEDERS

- 101 Aerial Seeding
- 102 Broadcast Seeder
- Drill
- 103 -Air Delivery
- 104 -Lister Disk
- 105 -No-till,
Minimum till
- 106 -Plain
- 107 -Press, Disk or Hoe

LAND FORMING EQUIPMENT

- 171 Backhoe
- 172 Disk Border Maker
- 173 Ditch Closer
- 174 Ditched
- 175 Levee Plow Disk
- 176 Quarter Drain Machine
- 177 Rear Mounted Blade
- 178 Corrugator
(Furrow Dicer,
Dammar Dicer, Dicer)
- 180 Land Plane Leveler
(Water Leveler)
- 181 Laser Planer, Laser Leveler
- 182 Gate Setter
- 183 Bull Dozer

FERTILIZER APPLICATORS

- 71 Aerial (Airplane)
- 72 Attachment to Implement
- 73 Manure Spreader
- 74 Self-propelled
- 75 Truck Spreader
- Tractor Mounted
- 76 -Anhydrous
- 77 -Dry
- 78 -Liquid
- Trailer Mounted
- 79 -Anhydrous
- 80 -Dry
- 81 -Liquid

HARVESTING EQUIPMENT

- Small Grains/Row Crops Combine
- 121 -Hillside
- 122 -Self-propelled, 2wd
- 123 -Self-propelled, 4wd
- 124 -Track
- 125 -PTO/motor Mounted
- Windrower-swather
- 126 -(Grain/hay)pto
- 127 -(Grain/hay)
Self-propelled
- 133 Corn Picker
- 134 Hand Harvesting

For implements codes 171-177,
enter *Total Hours Operated* in the
column labeled *Total Acres Covered*.
Total Acres Covered is not
meaningful for these implements.

CHEMICAL APPLICATORS

- 91 Aerial (Airplane)
- 92 Attachment to Implement
- 93 Largest Self-propelled
(Or Large Truck)
- 94 Motorcycle/atv Sprayer
- 95 Small Self-propelled
(Spra-coupe, Hi-cycle)
- 96 Small Truck (Skid Mounted)
- 97 Tractor Mounted
- 98 Trailer Mounted

PTO - Power Take-off
WD - Wheel Drive

HAULING EQUIPMENT

- Trailers
- 194 General Purpose Wagon or Cart
- 195 Hay Wagon
- 208 Gravity Wagon
- 209 Grain Cart with Auger
- 221 Forage Wagon
- 222 Dump Wagon
- 220 Other Trailers
- Trucks
- 301 -Single Axle
- 302 -Tandem Axle
- 303 -Tri-Axle
- 304 -Semi
- 305 Other Trucks

OTHER IMPLEMENTS

- 191 Burn Buggy
- 192 Chaff/straw Saver
- 193 Electric-discharge Weed Killer
- 196 Off-field Thresher
- 197 Rock Picker
- 198 Rock Windrower or Rake
- 199 Rodent (Gopher) Killer
- 200 Roller Groover
- 201 Rubber-wheeled Weed Puller
- 202 Flail Shredder
- 203 Rotary Shredder
- 204 Silage Harvester
- 205 Stalk Shredder, Stalk Cutter
- 206 Swath Roller
- 207 Tractor or Truck - No Attachments
- 223 Flame Thrower

SECTION G, IRRIGATION TYPE CODES

PRESSURE SYSTEMS		GRAVITY SYSTEMS	
1	HAND-MOVE	10	SIPHON TUBE from unlined ditches
2	SOLID OR PERMANENT SET	11	SIPHON TUBE from lined ditches
3	SIDE ROLL OR WHEEL LINE	12	PORTAL SYSTEM from unlined ditches
4	CENTER PIVOT OR LINEAR MOVE with sprinklers on main line	13	PORTAL SYSTEM from lined ditches
5	CENTER PIVOT OR LINEAR MOVE with sprinklers below main line, but more than 2 feet above ground	14	ANY POLY PIPE SYSTEM
6	CENTER PIVOT OR LINEAR MOVE with sprinklers less than 2 feet above ground	15	GATED PIPE (not poly pipe)
7	BIG GUN	16	IMPROVED GATED PIPE (surge flow or cablegation not poly pipe)
8	LOW FLOW IRRIGATION (drip, trickle or micro sprinkler)	17	SUBIRRIGATION
9	OTHER - SPECIFY	18	OPEN DISCHARGE FROM WELL OR PUMP
		19	OTHER - SPECIFY

RUN-OFF CODES

Section G, item 9

1	Retained at the end of the field?
2	Re-used to irrigate on the farm?
3	Collected in evaporation ponds on the farm?
4	Drained from the farm?
5	There is no runoff.

LANDLORD/CONTRACTOR COSTS

Section I,
Item 1

<p>Seed Costs</p> <p>a. Purchased seed</p> <hr/> <p>Fertilizer Costs [Exclude Lime and Gypsum]</p> <p>b. Fertilizer custom applications</p> <p>c. Fertilizer materials</p> <hr/> <p>Chemicals/Pesticides Costs</p> <p>d. Chemicals/pesticides custom applications</p> <p>e. Chemicals/pesticides materials</p> <hr/> <p>Technical Services</p> <p>f. Soil tests or plant tissue tests</p> <p>g. Scouting service</p> <p>h. Biological pest controls and their application</p>	<p>Custom Field Operations and Services</p> <p>i. Custom land preparation, shaping, and/or leveling</p> <p>j. Custom cultivating</p> <p>k. Custom planting and/or reseeding</p> <p>l. Custom harvesting</p> <p>m. Custom hauling</p> <p>n. Custom drying</p> <p>o. Custom harvesting and hauling</p> <p>p. Contract and other paid labor</p> <p>q. Other custom and/or technical services</p> <hr/> <p>Drying Costs</p> <p>r. Fuel and/or electricity for drying</p> <p>s. Repairs of the facilities used for drying</p> <hr/> <p>Irrigation and Water Management Costs</p> <p>t. Purchased irrigation water</p> <p>u. Fuel, lubrication, and electricity for irrigation</p>
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